

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/537,393  
Source: P4710  
Date Processed by STIC: 6/14/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 06/14/2005

PATENT APPLICATION: US/10/537,393

TIME: 08:57:48

Input Set : A:\11899.0236.PCUS00.ST25.txt

Output Set: N:\CRF4\06142005\J537393.raw

```

3 <110> APPLICANT: Guo, Xiaoli
4      Harriman, Robert
5      Lee, Lisa
6      Nelson, Erick
8 <120> TITLE OF INVENTION: Bentgrass Event ASR-368 and Compositions and Methods for
9      Detection Thereof
11 <130> FILE REFERENCE: 11899.0236.PCUS00
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/537,393
C--> 13 <141> CURRENT FILING DATE: 2005-06-02
13 <150> PRIOR APPLICATION NUMBER: PCT/US2003/ 038268
14 <151> PRIOR FILING DATE: 2003-12-03
16 <150> PRIOR APPLICATION NUMBER: 60/431153
17 <151> PRIOR FILING DATE: 2002-12-05
19 <160> NUMBER OF SEQ ID NOS: 14
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 24
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: chimeric DNA of bentgrass genomic DNA and transgene insert
DNA
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (1)..(24)
35 <223> OTHER INFORMATION: 5' transgene/genomic junction DNA, a chimeric DNA of
bentgrass
36      genomic DNA and transgene insert DNA
38 <400> SEQUENCE: 1
39 gacatatgct taagaagaga gtcg 24
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 24
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: chimeric DNA of bentgrass genomic DNA and transgene insert
DNA
51 <220> FEATURE:
52 <221> NAME/KEY: misc_feature
53 <222> LOCATION: (1)..(24)
54 <223> OTHER INFORMATION: 3' transgene/genomic DNA junction, a chimeric DNA of
bentgrass
55      genomic DNA and transgene insert DNA
57 <400> SEQUENCE: 2

```

58 aattcggtac catgtaccac gaac  
61 <210> SEQ ID NO: 3  
62 <211> LENGTH: 896

24

## RAW SEQUENCE LISTING

DATE: 06/14/2005

PATENT APPLICATION: US/10/537,393

TIME: 08:57:48

Input Set : A:\11899.0236.PCUS00.ST25.txt

Output Set: N:\CRF4\06142005\J537393.raw

63 <212> TYPE: DNA  
64 <213> ORGANISM: Artificial Sequence  
66 <220> FEATURE:  
67 <223> OTHER INFORMATION: chimeric DNA of bentgrass genomic DNA and transgene insert

DNA

70 <220> FEATURE:  
71 <221> NAME/KEY: misc\_feature  
72 <222> LOCATION: (1)..(896)  
73 <223> OTHER INFORMATION: 5' transgene/genomic region, a chimeric DNA of bentgrass

genomic

74 DNA and transgene insert DNA  
76 <400> SEQUENCE: 3  
77 aagcgagtat cctgataaga aaggaagaag acgatcgtc tgtctatggg cggggctcag 60  
79 ggcgacgaca gaaccagagc ttctgtcgtg aacaaaacag ggaaggacca aagcagagga 120  
81 agaggagagg aaacagagag aaagaggggg ttggtaggta cttggtggtc cctgctactt 180  
83 ctccaacagc agcagaaagg aaagaagaac gaaccaaggc acaagtacgc tccaaccgag 240  
85 ccatcccttt cttcccttta tcattgactt taatcatgag aaatctaatt aattaattaa 300  
87 actctacgca aaaggcatat aaaattgtca attatgcaag gcagttgccc tgtttctggt 360  
89 agccggttac aacacaggaa gacaaccaa agcgtcggaa aagtgaagtt agtcgaatct 420  
91 gaattcaatg tgaaagattt ttgtaaagaa tgaaataaat cccgataaaa aaagaatgaa 480  
93 caaaaggaaa ctaaaaaact gtggatgtga gtccaacggt taagcatatc gatgcaaacg 540  
95 tgatgaagaa ccaaacgcgc cggcggaaga cggattcccg gaagacccaa ttaaagacga 600  
97 tagttgtcga gcaaacgacc aaaagaagaa gatccgacat atgcttaaga agagagtcgg 660  
99 gatagtccaa aataaaaaca aggtgaagatt acctggtcaa aagtgaatac atcagttaaa 720  
101 aggtggtata aagtaaaata tcggtataaa aaggtggccc aaagtgaat ttactctttt 780  
103 ctactattat aaaaattgag gatgtttttg tcggtacttt gatacgatcat ttttgtatga 840  
105 attggttttt aagtttattc gcttttgga atgcataatct gtatttgagt cggggtt 896

108 <210> SEQ ID NO: 4  
109 <211> LENGTH: 474  
110 <212> TYPE: DNA  
111 <213> ORGANISM: Artificial Sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: chimeric DNA of bentgrass genomic DNA and transgene insert

DNA

116 <400> SEQUENCE: 4  
117 agattgaatc ctgttgccgg tcttgcatg attatcatat aatttctggt gaattacggt 60  
119 aagcatgtaa taattaacat gtaatgcatg acgttattta tgagatgggt ttttatgatt 120  
121 agagtcgccg aattatacat ttaatacgcg atagaaaaca aaatatagcg cgcaaactag 180  
123 gataaattat cgcgcgcggt gtcattcatg ttactagatc ggggatatcc ccggggaatt 240  
125 cggtagcatg taccacggaa cagaaaaaag aaaggccac ggttggtcag gaaacggcca 300  
127 ccgtagcagc cagcgccatc cgccatcatc gccattccgt cgagcaccac gcacgcgcgc 360  
129 ccgctgctat gtcctccg cgcgcgccct tcctcctcca ggtcctcac ccgcttcgct 420  
131 cctcccgcgc cccctcgcg gtccgcgcga cgctctcagc gcacgcgcgc gcag 474

134 <210> SEQ ID NO: 5  
135 <211> LENGTH: 23  
136 <212> TYPE: DNA  
137 <213> ORGANISM: bacteriophage M13  
139 <400> SEQUENCE: 5  
140 cgccagggtt ttcccagtca cga 23  
143 <210> SEQ ID NO: 6  
144 <211> LENGTH: 30  
145 <212> TYPE: DNA

## RAW SEQUENCE LISTING

DATE: 06/14/2005

PATENT APPLICATION: US/10/537,393

TIME: 08:57:48

Input Set : A:\11899.0236.PCUS00.ST25.txt

Output Set: N:\CRF4\06142005\J537393.raw

```

146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: synthetic DNA primer molecule
151 <400> SEQUENCE: 6
152 tgacgtatca aagtaccgac aaaaacatcc 30
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 23
157 <212> TYPE: DNA
158 <213> ORGANISM: bacteriophage T7
160 <400> SEQUENCE: 7
161 taatacgact cactataggg cga 23
164 <210> SEQ ID NO: 8
165 <211> LENGTH: 30
166 <212> TYPE: DNA
167 <213> ORGANISM: Agrostis stolonifera
170 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: (1)..(30)
173 <223> OTHER INFORMATION: ASR-368 genomic DNA primer molecule
175 <400> SEQUENCE: 8
176 cctttgtttt attttggact atcccgactc 30
179 <210> SEQ ID NO: 9
180 <211> LENGTH: 26
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: synthetic primer molecule AP1
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (1)..(26)
191 <223> OTHER INFORMATION: artificial primer molecule AP1 from Genome Walker
193 <400> SEQUENCE: 9
194 agattgaatc ctgttgccgg tcttgc 26
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 28
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: synthetic primer molecule AP2
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (1)..(28)
209 <223> OTHER INFORMATION: artificial primer molecule AP2 from Genome Walker
211 <400> SEQUENCE: 10
212 gcggtgtcat ctatgttact agatcggg 28
215 <210> SEQ ID NO: 11
216 <211> LENGTH: 29
217 <212> TYPE: DNA
218 <213> ORGANISM: Agrostis stolonifera

```

## RAW SEQUENCE LISTING

DATE: 06/14/2005

PATENT APPLICATION: US/10/537,393

TIME: 08:57:48

Input Set : A:\11899.0236.PCUS00.ST25.txt

Output Set: N:\CRF4\06142005\J537393.raw

220	<400> SEQUENCE: 11	
221	aagcgagtat cctgataaga aaggaagaa	29
224	<210> SEQ ID NO: 12	
225	<211> LENGTH: 30	
226	<212> TYPE: DNA	
227	<213> ORGANISM: Oryza sativa	
229	<400> SEQUENCE: 12	
230	aacccgactc aaatacagat atgcatttcc	30
233	<210> SEQ ID NO: 13	
234	<211> LENGTH: 25	
235	<212> TYPE: DNA	
236	<213> ORGANISM: Agrobacterium tumefaciens	
238	<400> SEQUENCE: 13	
239	agattgaatc ctgttgcggt cttgc	25
242	<210> SEQ ID NO: 14	
243	<211> LENGTH: 21	
244	<212> TYPE: DNA	
245	<213> ORGANISM: Agrostis stolonifera	
247	<400> SEQUENCE: 14	
248	ctgccgcggc gtgcgctgag a	21

**VERIFICATION SUMMARY**

DATE: 06/14/2005

PATENT APPLICATION: US/10/537,393

TIME: 08:57:49

Input Set : A:\11899.0236.PCUS00.ST25.txt

Output Set: N:\CRF4\06142005\J537393.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date